

PEYMER, I.A.; UMAROV, M.B.; KHROMOV, N.A.

Blectrophysiological investigations of psychasthenia and hysteria.

Zhur. nevr. i psikh. 54 no.11:903-914 N '54. (MIRA 8:1)

(HYSTERIA, physiology,

Ed)

(MEUROSES, OBSESSIVE-COMPULSIVE,
 psychasthenia, EBG)

(ELECTROMCEPHALOGRAPHY, in various diseases,
 hysteria & psychasthenia)

UMAROV, M. U.

"Water and Nutritional Regimes of Irrigated Meadow Soils Under Various Cultivation Conditions." Cand Biol Sci, Central Asia State U, Inst of Soil Sciences, Acad Sci Uzłek SSR, Tashkent, 1953. (RZhBiol, No 3, Oct 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (10)

So: Sum. No. 481, 5 May 55

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001858010001-7"

B

KIMBERG, N.V.; UMAROV, M.U.

Soil science in Uzbekistan during the past 40 years. Izv. AN Uz.

SSR. Ser. biol. nauk no.4:57-66 '57. (MIRA 11:9)

(Uzbekistan--Soil research)

UMAROV. II. U.: RYZHOV, S.N., akademik, otv.red.; TUMASHEVSKAYA, E.S., red.izd-va; GOR'KOVAYA, Z.P., tekhn.red.

[Water and nutrient balance of irrigated meadow soils under various conditions of cultivation] Vodnyi i pitatel'nyi rezhimy oroshaemoi lugovoi pochvy razlichnogo kul'turnogo sostoianiia. Tashkent, Izd-vo Akad.nauk USSR, 1958. 116 p.

(MIRA 12:9)

1. Akademiya sel'skokhozyaystvennykh nauk UzSSR (for Ryzhov).

(Soils) (Soviet Central Asia--Irrigation farming)

GUSSAK, V.B.; KIMBERG, N.V.; UMAROV, M.U.; MAKHSUDOV, Kh.M.

Scme data on the extent of erosion in Uzbekistan, its aftereffects and control measures. Uzb.biol.zhur. nc.1:73-81 '59.

(MIRA 12:7)

1. Institut pochvovedeniye AM UzSSR.

(Uzbekistan-Brosion)

MERKOV, B.P. (Moskva); GAUER, Z.Ye. (Moskva); KOBELEV, M.V.; SYCHEV, K.I.

(Karaganda); UMAROV, M.U. (Moskva); SHUTLIV, F.A., kand.geol.—

mineral.newk

News, events, fasts. Priroda no.12:99-109 B '62.

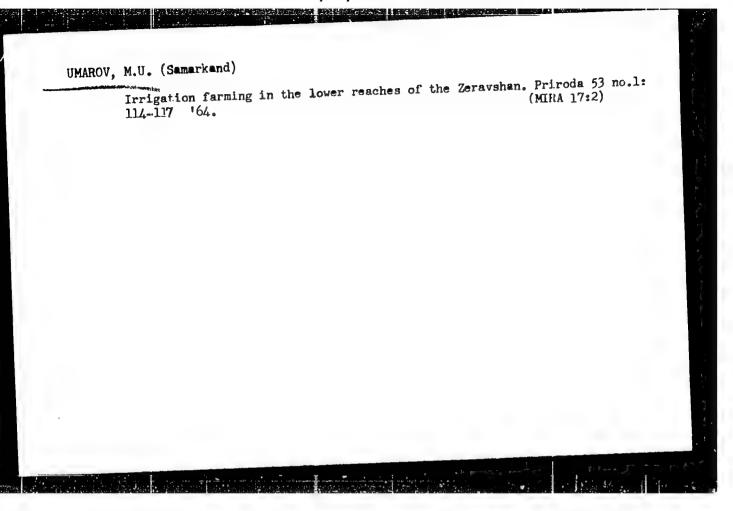
1. Donetskaya geologicheskaya partiya, Novo-Troitskoye, Donetskaya ohl. (for Kobelev). 2. TSentral'nyy sovet Vserossiyskogo obshchestva okhrany priroda, Moskva (for Shutliv).

(Science news)

GENUSOV, A.Z.; KIMEERG, N.V.; UMAROV, M.U.

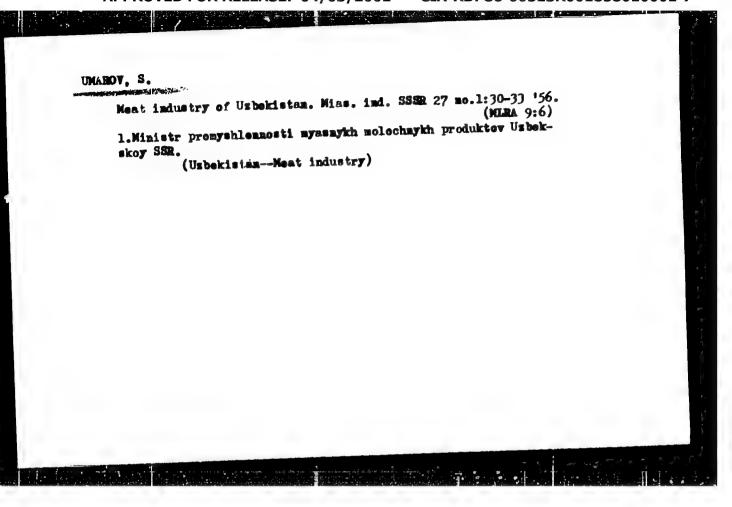
First International Seminar on the Classification and Mapping of Soils of Asia. Pochvovedenie no.2:108-110 F '63. (MIRA 16:3)

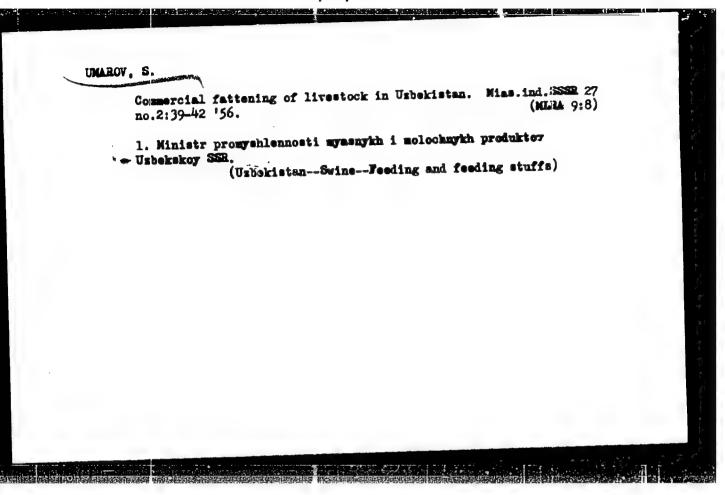
(Asia-Soils-Maps) (Asia-Soils-Classification)



KOVDA, V.A., otv. red. LOBOVA, Ye.V., doktor sol'khoz. nauk, otv. red. (Moskva); YIMBERG, N.V., red. (Tashkent); otv. red. (Moskva); YIMBERG, N.V., red. (Tashkent); MAMYTOV, A.t., red. (Frunze); UMAROV, M.U., red. (Geography and classification of the soils of Asia, Geografia i klassifikatsiia pochv Asii. Moskva, Nauka; 1965. 257 p.

1. Akademiya nauk SSSR. Pochvennyy institut im. V.V. Dokuchayeva. 2. Chlen-korrespondent AN SSSR (for Kovda).





CIA-RDP86-00513R001858010001-7

UMAROV, S.; IVANOV, I.; SOBOLEV, A.; KRASNOV, V.; VASILEVSKIY, I.; POTAPKIN, I.; IL'ICHEV, N.; PIZENGOL'TS, M.; SOKRATOV, K.; CHURSIN, A.; KAUGER, V.; VOLOVODOV, A.; RAZARYA, M.

> Issuing credit to collective farms should be equal to the standard of the new tasks. Den. 1 kred. 16 no.4:3-26 Ap 158. (MIRA 11:5)

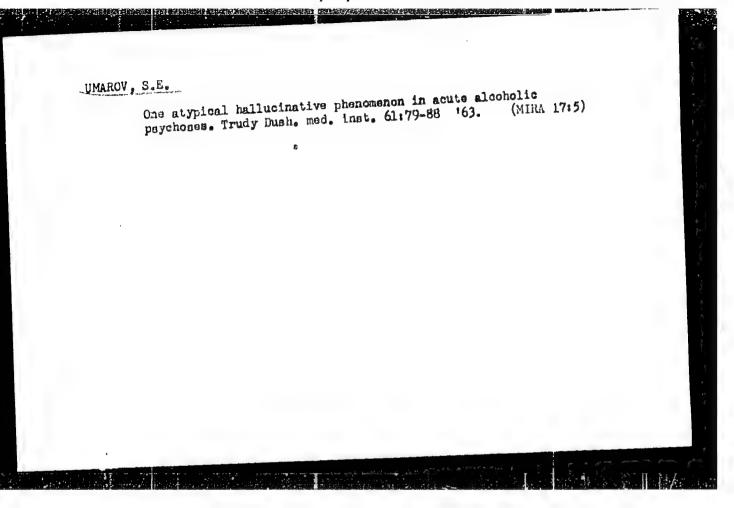
1. Upravlyayushchiy Uzbekskoy kontoroy Gosbanka (for Umarov). 2.Zamestitel' upravlyayushchego Rostovskoy oblastnoy kontoroy Gosbanka (for Ivanov). 3. Upravlymyushchiy proizvodstvenno-ekspluatatsionzogo otdela Sakhalinskoy oblastnoy kontory Gosbanka (for Sobolev). 4. Machalinik proizvodstvenno-ekspluatatsionnogo otdela Sakhalinskoy oblastnoy kontory Gosbanka (for Krasnov). 5.Zamestitel' upravlyayushchego Belorusskoy respublikanskoy kontoroy Gosbanka (for Vasilevskiy). 6. Nachal'nik otdela kreditovaniya sel'skogo khozyaystva i zagotovok Ukrainskoy respublikanskoy kontery Gosbanka (for Potapkin). ?. Jpravlyayushchiy Mordovskoy respublikanskoy kontoroy (for Il'ichev). 8. Starshiy prepodavatel' Voronezhskogo sel'skokho zyaystvennogo instituta (for Pizengol'ts). 9. Saratovskiy ekonomicheskiy institut (for Sokratov). 10. Upravlyayushchiy Sovetskim otdeleniym Gosbanka Krasnoderskogo kraya (for Chursin). 11. Upravlyayushchiy Gorodishchenskim otdeleniyem Gosbanka Penzenskoy oblasti (Kauger). 12. Upravlyayushchiy Zherdevskim o tieleniyem Gosbanka Tambovskoy oblasti (for Volovodov). 13. Nachalinik Jpravleniya seliskogo khozyaystva i zagotovok Gosbanka (for Bazarya) (Agricultural credit)

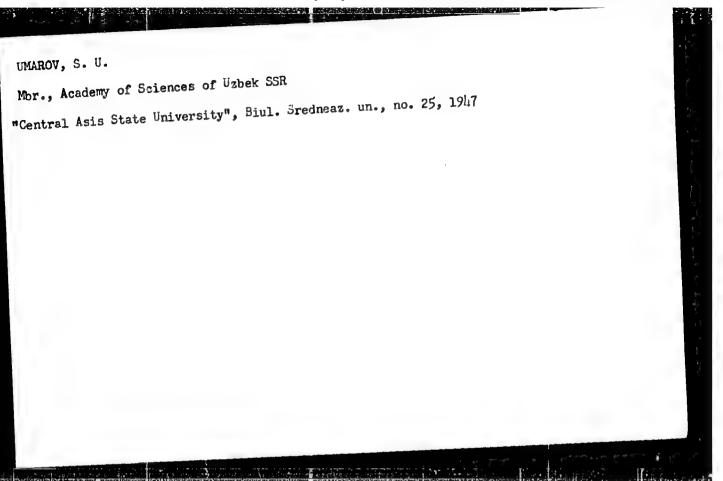
UMAROV, S.; KNIVA, A.; KOROBKOV, N.; CHESALIN, I.

Organization of currency circulation in economic regions. Den.i kred. 17 no.5:8-19 My '59. (MIRA 12:10)

1. Upravlyayushchiy Usbekskoy respublikanskoy kontoroy Gosbanka (for Umarov). 2. Upravlyayushchiy Litovskoy respublikanskoy kontoroy Gosbanka (for Kniva). 3. Upravlyayushchiy i nachal'nik otdela deneshnogo obrashcheniya Moskovskoy oblastnoy kontory Gosbanka (for Korobkov. Chesalin).

(Money)





UMAROV, S. U.

Umarov, S. U. "On Louisville's theorem for system with anisotropic phase space," Trudy Fiz,-tekhn. in-ta (Akad. nauk Uzbek. SSH), Vol II, Issue 2, 1/h9, p. 5-13

So: U-52hl, 17 December 1953, (Letopis 'Zhurnal 'nykh Statey, No. 26, 19h9)

UMAROV, S.U.; LEVASHEV, A.Ye.

Gibbs distribution and systems not reduced to normal conditions,

Trudy FTI AN Us SSSR 3:5-12 \$50. (NIRA 11:4)

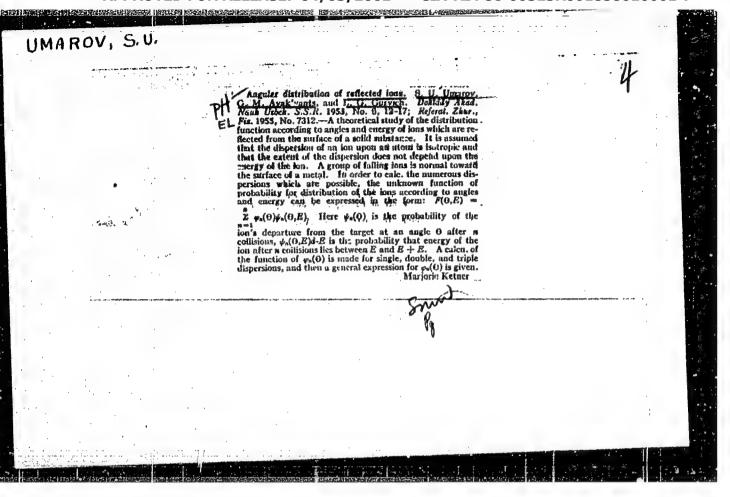
1. Deystvitel'nyy chien AN UESSR (for Umarov).
(Statistical mechanics)

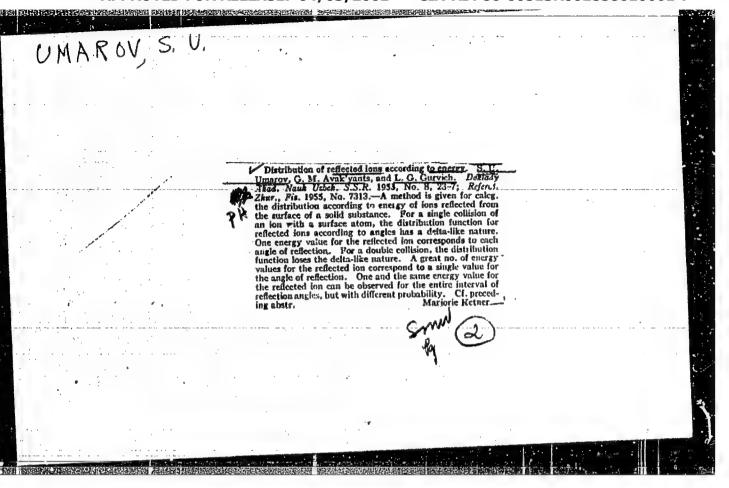
UMARDY, S. T., Alan Malke, G. J., Convious L. C.

"Secondary Electron Pauls in a Matal and a Dielectric, Related to Electron Collisions"
Tr. Fiz. Tekn. Inst. Ab Uzbekskoy SSR, 5, 1955, pp 3-25

Energy losses of secondary electrons in a metal and a dielectric are computed, in relation to electron collisions, in classical approximation, agreeing within certain limits with quantum mechanical computation. The electron gas in a metal is considered to obey remains statistics. Numerical values of tree paths are o tained apparent of substitution in the expressions of energy losses of numerical values of work function, internal potential, breadth of forbidden none and approximative integration. (Almaiz, Ro 2, 1955)

SO: Sum. 492, 12 May 55



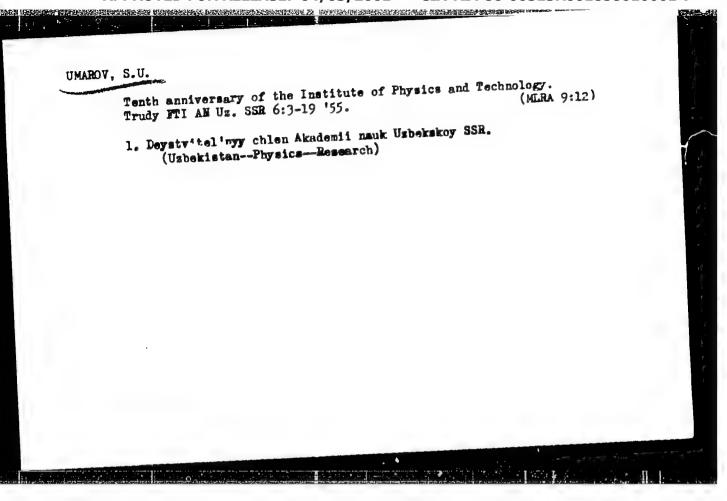


UMAROV, S. U., and Gurvich, L. G.

"Contact Theory Metal-Semiconductor" Dokl, AN UZSSR, No 11, 1954, 3-8

The volt-ampere characteristic of the contact metal-semi conductor is computed by simultaneous solution of Poisson's equation and the equation of diffusion. At variance with works by S. I. Pekar (ZhETF, 10, 1210, 1940) and W. Z. Schottky (Z. Phys. 118, 539, 1942, the degree of ionization of impurities centers is accounted for. For boundary conditions the current though the contact and the variation of velocity of current carriers under the action of the electric field is taken into account. The condition of high voltage rectification was found to be a strong degree of ionization of impurity centers. (RZhFiz, No 9, 1955)

SO: Sum-No 787, 12 Jan 56



UMAROV, S.U.; OURVICH, L.G.

Theory of metal-semiconductor contacts. Trudy FTI AN Uz. SSR
(MERA 9:12)
6:20-23 '55.

1. Deystvitel'nyy chlen Akademii nauk Uzbekskoy SSR. (for Umarov).
(Semiconductors) (Electric current rectifiers)

CIA-RDP86-00513R001858010001-7 "APPROVED FOR RELEASE: 04/03/2001

USSR / Electronics

H

Abs Jour

: Ref Zhur - Fizika, No 4, 1957, No 9769

Author

UMAROV, S. U.

: Umarov, S.U., Avak'yants, G.M., Gurvich, L.G.

Inst

Title

: Distribution of Reflected Ions by Angles and By Energies

Orig Pub

: Tr. Fiz. - tekhn. in-ta, AN UzSSR, 1955, 6, 34-42

Abstract

: The energy and angle distribution functions are found for the ions reflected from the surface of a solid body in the case of their normal incidents. For single collision between an ion and an atom, the angle distribution function - of the ions has a δ -like character.

Upon increase of the multiplicity of the collisions, the

 δ -nature of the function of distribution is lost.

Bibliography, 6 titles.

Card

: 1/1

USSR / PHYSICS SUBJECT

CARD 1 / 2

Manual Company of the Company of the

PA - 1578

'AUTHOR TITLE

PERIODICAL

UMAROV, S.U., GURVIČ, L.G.

On the Theory of the Contact Metal-Semiconductors.

Žurn. techn.fis, 26, fasc. 10, 2179-2184 (1956)

Issued: 11 / 1956

In the present work the volt-ampère characteristics of the contact metalsemiconductors are computed in consideration of the current passing through this contact and of the degree of ionization of the admixture centers. The computation carried out on this occasion does not take the influence exercised by the mcdification of the average kinetic energy of the electron gas under the effect of the electric field into account. In this case the passage of the current through the semiconductor system can be described by a system consisting of equations for the transport of electricity (diffusion equation) and a POISSON equation. This system of equations and the boundary condition at the contact are explicitly written down. A term neglected by PEKAR is here taken into account. The equations are then put into a new form by the help of a dimensionless length, field strength and concentration. The equations are further transformed and the solution can be set up in form of

 $\sum_{n=1}^{\infty} a_n x^n$. In the case of a weak ionization of an infinite power series y =

the admixture centers the coefficients a are numerically equal to the coefficients computed by PEKAR. However, the coefficients an found here are consider-

Zurn.techn.fis.26, fasc.10, 2179-2184 (1956) CARD 2 / 2 PA - 1578

ably more simple. $E = \gamma + \sum_{n=1}^{\infty} a_n(p-1)^n$ found converges at p < 2, i.e. with-

in the domain of reduced concentration of carriers. On certain conditions the expression for field strength can be considerably simplified by the simple summation of the series. Also for the voltage drop in the layer near the contact an expression is written down and also for the additional potential jumps. The latter formula is considerably simplified in the case of total ionization of latter formula is considerably simplified in the case of lacking ionization. With equal the admixture centers and also in the case of lacking ionization. With equal electric field strength at the contact the potential jump in the semiconductors with ionized admixture centers is considerable, i.e. a thousand and even ten thousand times greater. This is a consequence of the fact that the space charge layer in the semiconductors with ionized admixture centers extends to a far greater depth than in a semiconductor with little ionized admixtures. This is also confirmed by computations. Thus, blocking layers of great extent (which is also confirmed by computations. Thus, blocking layers of great extent (which are able to warrant a sufficiently great voltage drop with inverse direction) can occur only in semiconductors with mostly ionized admixture centers. The semiconductors used in engineering (Ge,Se,Si) possess these properties.

INSTITUTION:

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001858010001-7

Semiconductors

G-3

Abs Jour

: Ref Zhur - Fizika, No 1, 1958, 1317

Author

Gurvich, L.G., Umarov, S.U.

Inst

Title

: Effect of Surface Charges on the Properties of the Contact

Between a Metal and a Semiconductor.

Orig Pub

: Izv. AM UzSSSR, ser. fiz.-matem. n., 1957, No 1, 43-51

Abstract

: A system of differential equations is written for the determination of the non-equilibrium concentration of the carriers, for the currents, and for the electric fields: diffusion equations for the currents, continuity equation, and the Poisson equation. The boundary conditions are determined from the quality of the differences in the carrier flux to the current flowing through the contact. The conditions are written for the case of free and completely filled surface band. The equations are solved in the linear approximation for the region where there is no

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"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001858010001-7

UMAROV, S.U., akademik; KHAYDAROVA, S.

On the theory of heat transfer and electricity in semiconductors.

Dokl. AE Uz. SSR no.10:11-16 *57.

1. Fisiko-tekhnicheskiy institut AN UzSZR, 2. AN UzSZR (for Umarov).

(Semiconductors)

KASATKIN, A.G., doktor tekhn. nauk; DYTNERSKIY, Yu.I., kand. tekhn. nauk;
UMAROV, S.U.

Galculating columns with fall-through plates. Khim. prom. no.3;
(MIRA 11:6)
166-173 Ap-Hy '58.

1. Moskovskiy khimiko-tekhnologicheskiy institut im. D.I.
Mendeleyeva.

(Plate towers)

S0V/68-58-9-11/21

Dytnerskiy, Yu.I. (Candidate of Technical Science), AUTHORS:

S.U. Umarov and I.I. Kulik

A New Apparatus for Intensification of Heat and Mass TTTLE:

Exchange Processes (Novyy apparat dlya intensifikatsii

protsessov teplo- i massoobmena)

PERIODICAL: Koks i Khimiya, 1958, Nr 9, pp 43-44 (USSR)

ABSTRACT: The principle of operation of a foam tube column (Fig) is outlined. It consists of closely packed vertical tubes enclosed in a column. A gaseous phase is introduced into the bottom of the column and through a distributor passes upwards through the tubes. A liquid scrubbing phase is introduced at the top of the column through a side inlet and passes down through the tubes forming a foam with the vapour phase. As the foam moves downwards through the tubes the separation of the gas and liquid takes place. The liquid phase leaves the column through hydraulic seal, while the gas leaves through the outlet at the top of the column. The efficiency of the column (75 mm dia, 1200 mm high, containing 38 tubes 9 mm in dia and 670 mm high) was

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SOV/68-58-9-11/21

A New Apparatus for Intensification of Heat and Mass Exchange Processes

tested on the process of purification of coke oven gas from hydrogen sulphide by the arsenical-soda solution. Mean results are given in the table; the officiency of the column was found to be 130 - 180 times higher than that of works' scrubbers.

There are 1 table, 1 figure and 6 references (4 Russian, 2 English)

ASSOCIATION: Moskovskiy klumiko-tekhnologicheskiy Institut im.

D.I. Mendeleyeva and Moskovskiy koksogazovyy zavod

(Moscow Institute of Chemical Technology imen. D.I.

Mendeleyev, and Moscow Col 3-Gas Works)

Card 2/2

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001858010001-7

AUTHOR:

Umarov, S.U., Professor; President

SOV/26-59-1-14/34

TITLE:

For a Close Tie Between Science and Production (Za tesnuyu

svyaz' nauki s proizvodstvom)

PERIODICAL:

Priroda, 1959, Nr 1, pp 34-36 (USSR)

ABSTRACT:

The AS of the Tadzhik SSR is of very recent origin and such scientific departments as the Institut vodnykh problem (Institute of Water Problems), Institut astrofiziki (Institute of Astrophysics), Institut seysmostoykogo stroitel'stva i seysmologii (Institute of Earthquake-proof Building and Seismology), the Otdel fiziki i matematiki (Department of Physics and Mathematics), branches have been reorganized now. The opening and exploration of lead, zinc, wolfram, antimony, mercury, bismuth, and arsenic deposits in the Republic are a result of its Academy's scientific work. Other natural riches now being exploited include fluorspar, celestine, common salt, rock crystal, optical fluorite, mica, asbestos, hard coal and lignite, oil, natural gas and oil shale. The mining and construction-material industries are being developed correspondingly. Due to the scientific progress of agri-

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SOV/26-59-1-14/34

For a Close Tie Between Science and Production

culturists and biologists, the cotton yield per hectare was increased from 1800 kg in 1940 to 2800 kg in 1958. New forage grasses have been successfully planted and new kinds of lifestock introduced. The new 7-Year Plan provides for the development of the production potential of the Vakhsh and Zeravshan Valleys and adjacent areas and the melioration and irrigation of the uplands of the Leninabad Oblast'. In the wakhsh Valley the production of fine-fiber cotton was 160,000 tons in 1958. Its cotton-bearing areas are being expanded, subtropical and essential-oil plants, fruit and grapes acclimatized, and lifestock-breeding has been started. Oil, natural gas, coal, salt, phosphorite and other mineral resources have also been traced. The Zeravshan Region will soon become one of the principal centers of the metallurgical and fuel industries of the Republic, due to its raw materials, such as coking coal, non-ferrous and rare metals. The water resources of the Leninabad Oblast! with its Kayrakkum and Farkhad GES's and the gigantic Kayrakkum water reservoir on the Syr-Dar'ya river will provide cheap electric power to be used for

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SOV/26-59-1-14/34

For a Close Tie Between Science and Production

conveying enough water to irrigate the Sangarskiy and Dal verzinskiy Uplands. Careful study is to be devoted to the magmatism and metallogeny of Central and North Tadzhikistan and Darvaz, where numerous deposits of non-ferrous and rare metals and mineral deposits were discovered. In addition to research on cosmogony, the study of comets and meteors and the structure of the upper layers of the earth's atmosphere, the Republic's Academy will be particularly concerned with functional methods in mathematical physics and the dynamic problems of the elasticity theory, spectral and Xray structural analysis, kinetic processes in semiconductor devices, and large-scale introduction of the latest methods of applyir radioactive isotopes in industry and agriculture. For several years the Pamirskaya biologicheskaya stantsiya (Pamir Biological Station) and the Thorogskiy botanicheskiy sad (Thorog Botanical Garden) have conducted interesting experiments on agricultural possibilities in the climatically unfavorable mountain regions. In the near future, 150,000 more hectares will be cultivated for cotton production. Detailed mapping and description of all regions of the Republic will follow soon.

3 Card 3/#

ASSOCIATION: Academy of Sciences of the Tadzhik SSR, Stalinabad

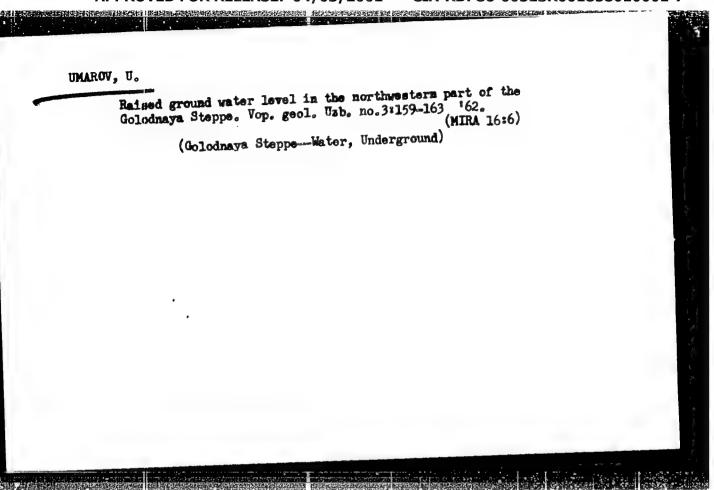
UMAROV, Sultan Umarovich; MOSSTEPANENKO, M.

[Lenin and the development of modern physics] Lenin 1
razvitie sovremennoi fiziki. Stalinabad, Tadzhikgosizdat,
1950. 249 p.
(Lenin, Vladimir Il'ich, 1870-1924)
(Physics)

KEIDYSE, M.V.; PALIADIN, A.V.; NUPREVICH, V.F.; ABDULLAYEV, N.M.; SATFAYEV, K.I.; MUSKHELISHVILI, M.I.; MAMEDALIYEV, Yu.G.; MATULIS, Yu.Yu.; GROSUL, Ya.S.; PLAUDE, K.K.; KARAKEYEV, K.K.; UMAROV, S.U.; AMBARTSUNYAN, V.A.; BATYROV, Sh.B.; EYKHFEL D, I.G. [Eichfeld, J.]

Comments by presidents. Nauka i zhizn 28 no.10:2-17 0 '61. (MIRA 15:1)

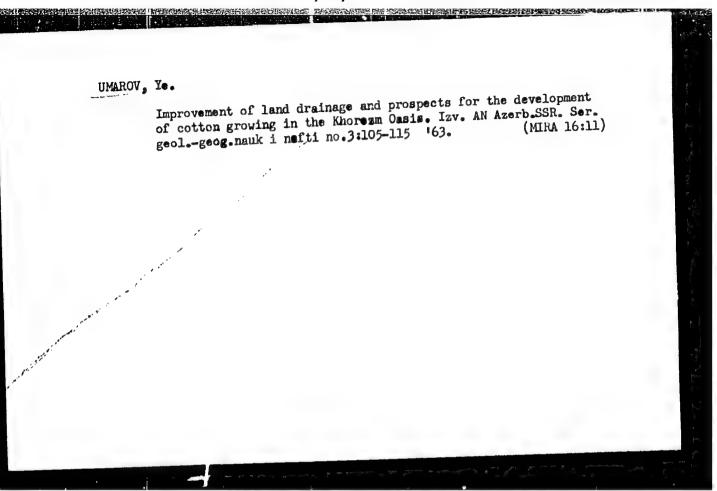
1. Prezident Akademii nauk SSSR (for Keldysh). 2. Prezident Akademii nauk Ukrainskoy SSR (for Palladin). 3. Prezident Akademii nauk Belorusskoy SSR (for Kuprevich). 4. Prezident Akademii nauk Uzbekskoy SSR (for Abdullayev). 5. Prezident Akademii nauk Gruzinskoy Kazakhskoy SSR (for Satpayev). 6. Prezident Akademii nauk Gruzinskoy SSR (for Muskhelishvili). 7. Prezident Akademii nauk Azertaydzhanskoy SSR (for Mamedaliyev). 8. Prezident Akademii nauk Litovksoy SSR (for Matulis). 9. Prezident Akademii nauk Moldavskoy SSR (for Grosul). (for Matulis). 9. Prezident Akademii nauk Moldavskoy SSR (for Grosul). 10. Prezident Akademii nauk Kirgizskoy SSR (for Karakeyev). 12. Prezident Akademii nauk Tadzhikskoy SSR (for Umarov). 13. Prezident Akademii nauk Armyanskoy SSR (for Ambartsumyan). 14. Prezident Akademii nauk Turkmenskoy SSR (for Batyrov). 15. Prezident Akademii nauk Estonskoy SSR (for Eykhfel'd). (Russia--Economic conditions) (Research)

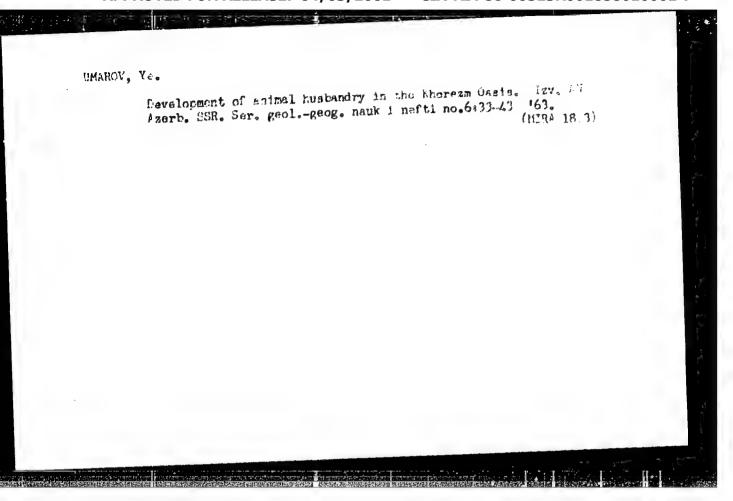


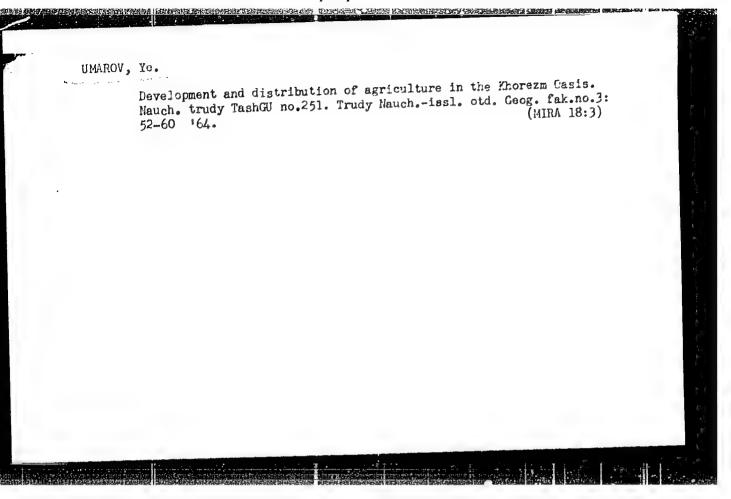
ABUTALIYEV, F.B.; UMAROV, U.; ARTYKOVA, N.

Calculating the prognosis of the level changes of underground waters using electronic computers. Uzb.geol.zhur. 6 no.4:
83.87 '62.

1. Institut geologii i inzhenernoy geologii AN UZSSR.
(Water, Underground)
(Electronic digital computers)







"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001858010001-7

S/263/62/000/011/007/022

AUTHOR:

Umarov, Yu. R.

1007/1207

TITLE:
PERIODICAL:

A device for studying the behavior of mechanical systems under the action of dynamic load Referativnyy zhurnal, otdel'nyy vypusk. 32. Izmeritel'naya tekhnika, no. 11, 1962, 21-22,

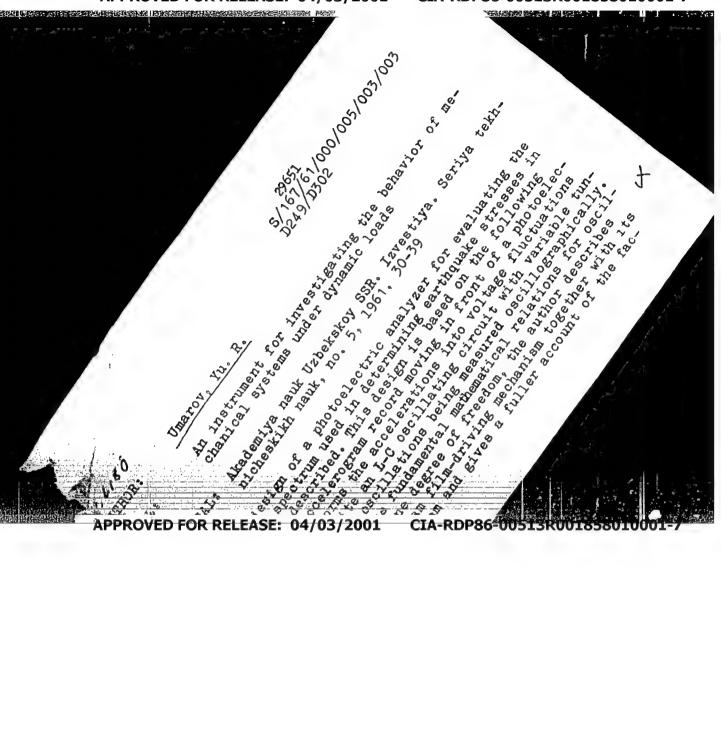
abstract 32.11.160. "UzSSR Fanlar Akad. akhboroti, Izv. AN UzSSR". Ser. tekhn. n.",

no. 5, 1961, 30-39

TEXT: Description is given of a photoelectric device for recording the curve of reaction of a definite mechanical system, in the form of an oscillation accelerogram. The device works on the self-modeling principle. The electric simulating-model of the mechanical system with one degree of freedom is subjected to an external electromotive force, whose intensity varies proportional to the intensity of acceleration of rapidly fluctuating processes. The external mechanical action recorded on the accelerogram, is transformed by a photoelectric convertor into an electromotive force of the electric system. From model characteristics varying under external action, it is possible to infer on the behavior of the mechanical system investigated under the effect of rapidly changing load and hence to plot spectral curves of the external action. The device permits the obtaining of spectral curves of the effect of vibrations on a mechanical system having a certain range of natural attenuation. Thus, for instance, the method permits the recording of earthquake curves, showing intensity and distance from the center of the earthquake as well as the period and attenuation of vibrations of the structure. There are 4 figures and 16 references.

[Abstracter's note: Complete translation.]

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"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001858010001-7

ıΧ

29651 s/167/61/000/005/003/003 D249/D302

AUTHOR:

Umarov, Yu. R.

TITLE:

An instrument for investigating the behavior of mechanical systems under dynamic loads

PERIODICAL:

Akademiya nauk Uzbekskoy SSR. Izvestiya. Seriya tekhnicheskikh nauk, no. 5, 1961, 30-39

The design of a photoelectric analyzer for evaluating the acceleration spectrum used in determining earthquake stresses in structures is described. This design is based on the following principle: An accelerogram record moving in front of a photoelectric cell transforms the accelerations into voltage fluctuations which in turn excite an L-C oscillating circuit with variable tuning, the resulting oscillations being measured oscillographically.
After a review of the fundamental mathematical relations for oscillating systems with one degree of freedom, the author describes briefly the accelerogram film-driving mechanism together with its associated optical system and gives a fuller account of the fac-

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An instrument for investigating ...

tors governing the choice of a suitable photocell. Two types of photocell were available, the gas-filled oxygen-cesium and the vacuum cesium antimonate cell. The latter was selected because cf its better long-term stability. The light sensitivity of the cell was 125 µA/lumen. Photomultipliers were not regarded as suitable for the purpose although their superiority with respect to light sensitivity was realized. The electronic circuit, to which a photosignal is applied consists of a cathode follower followed by a high gain d.c. amplifier, second cathode follower, and the L-C oscillating analog circuit with variable capacitance. The voltage across the capacitor is taken to the oscillograph via yet another cathode follower. Calculation of the L-C circuit is as follows. With the actual earthquake frequencies varying between 0.5 and 5 c/s, the time scale of the existing accelerograms of 1 sec/cm and with the necessary inductor Q-factor of 20-30, the required values of L and C become impractically large. In order to reduce them, the speed of the moving film is increased to 60 cm/sec which gives a scale factor of 60. With this scale factor and for

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a fixed value of L = 5.6 Henry, the resonant frequency range of the circuit becomes 30 - 300 c/s and that of the capacitance 0.05 - 5 MF. There are 4 figures and 16 references: 12 Soviet-bloc and 4 non-Soviet-bloc. The references to the four most recent Englishlanguage publications read as follows: M. A. Biot, A mechanical analyzer for the prediction of earthquake stresses, Bulletin of the Seismological Society of America, 1941; W C. Housner, G. D. McCann, The analysis of strong-motion earthquake recors with the electric analog computer, Bulletin of the Seism. Soc. of America, 1948; G. W. Housner, Behavior of structures during earthquales, Journal of the Engineering Mechanics, October 1959; J. Markus, Electronic circuits in engineering, 1954.

Institut mekhaniki AN UzSSR (Institute of Mechanics ASSOCIATION:

of the AS UzbekSSR)

July 1, 1960 SUBMITTED:

Card 3/3

TMANCY, T.: "Methodo sud thron of pre-scular sodiffer of fucus and distinctly definized cotton seeds with various south: throw! I'm Mitten Divertion USSR. Tashkent Armicultural Inst. Tashkent, 1966. (Pinundation for the Perces of Candidate in Armicultural Sci nee.)

Endown Letepist, Mr. 30, 1966. Mescon.

S/0166/64/000/003/0075/0076

ACCESSION NR: AP4644798

AUTHOR: Kiv, A. Ye., Umarova, F. T.

TITLE: The energy of displacement of the nodal atoms in crystals of iron

SOURCE: AN UzSSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, no. 3, 1964, 75-76

TOPIC TAGS: iron, defect formation, displacement, atomic displacement, electron escape, iron crystal, elastic displacement

ABSTRACT: The authors point out that determination of the threshold energies for the formation of elastic displacements of atoms is important for a clear explanation of the processes underlying defect formation. The present paper is concerned with determining the region of elastic displacement of atoms in iron crystals, in relation to the speed and the region of electrons escaping from these displaced atoms. The basic result is that if p(t) energy of electrons escaping from these displaced atoms. The basic result is that if p(t) is the probability of a displacement when electrons escape with energy t (measured in Mev), is the region of transmission of energy to the atom by the electron in the interval that, then the region of atomic displacement is given by

 $g(E) = \int_{-\pi}^{\pi} g(t) \circ_{\rho}(t) dt.$

Cord 1/3

ACCESSION NR: AP4044798

This result agreed well (within 5-7%) with observed displacements (see Fig. 1. in the Enclosure). Orig. art. has: 1 figure and 4 formulas.

ASSOCIATION: Institut yadernoy fiziki AN Uz SSR (Institute of Nuclear Physics, AN

Uz SSR)

SUBMITTED: 01Mar63

NO REF 80V: 000

ENCL: Gi OTHER: (02

SUB CODE: NP

Card 2/3

Energy of heteroatom displacement in iron crystals. Izv. AN Uz.

SSR Ser. fiz.-mat. nauk 8 no.3:75-76 '64.

(MIRA 17:10)

1. Institut yadernoy fiziki AN UzSSR.

ACC NRI AP6036962

(A,N)

SOURCE CODE: UR/0181/66/008/011/3225/3231

AUTHOR: Gerasimov, A. B.; Konovalenko, B. M.; Ryvkin, S. M.; Umarova, Kh. F.; Yaroshetskiy, I. D.

ORG: Physicotechnical Institute im. A. F. Ioffe, AN SSSR, Leningrad (Fiziko-tekhnicheskiy institut AN SSSR)

TITLE: Photoelectret state in silicon with radiation defects

SOURCE: Fizika tverdogo tela, v. 8, no. 11, 1966, 3226-3231

TOPIC TAGS: photoelectret, crystalline silicon, radiation effect

ABSTRACT: The photoelectret state (PS) and the dependence of its properties on the concentration of free carriers and the concentration of locallevels in the forbidden band were studied on two groups of n- and p-type silicon samples with different positions of the Fermi level after irradiation with fast electrons (which produced radiation defects). The dependence of dark polarization on the time of application of the polarizing voltage and its magnitude was measured, this being one of the chief characteristics of PS. Differences in the PS of the two groups of samples were also manifested in the persistence of polarization. The spectral selectivity of the PS was also determined. Analysis of the spectral curves showed characteristics corresponding to certain local levels of radiation defects; the curves break off abruptly in the shortwave range on passing to bipolar excitation, starting at quantum energies at

Card 1/2

ACC NR. AP6036962 Which the formation of minority carriers is possible. The results of the study of PS during bipolar excitation are interpreted in the light of the substantial role played by optical charge exchange between impurity centers in the observed effect. Authors take this opportunity to thank I. M. Kotins for her assistance. Orig. art. has: 7 figures.											
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L COMODES AT MATE (L)/EMP(L)/EMP(L)/EMP T JP(c) AT/JD ACC NG AP6033561 SOURCE CODE: UR/0181/66/008/010/2994/2998

AUTHOR: Gerasimov, A. B.; Konovalenko, B. M.; Kotina, I. M.; Umarova, Kh. F.

ORG: Physicotechnical Institute imeni A. F. Ioffe AN SSSR, Leningrad (Fizikotekhnicheskiy institut) AN SSSR

TITLE: Kinetics of bipolar impurity photoconductivity of silicon with radiation defects

SOURCE: Fizika tverdogo tela, v. 8, no. 10, 1966, 2994-2998

TOPIC TAGS: photoconductivity, bipolar photoconductivity, radiation, defect, conductivity

ABSTRACT: Silicon samples with radiation defects at T = 77K were observed to be characterized by distinctive kinetics in the increase of their impurity photoconductivity. An explanation is offered for this phenomenon, which is shown to be related to the bipolarity of impurity excitation, and an approximate computation is made of the kinetics of inverse overcharge for a case of low level excitation. The

Card 1/2

L 09899-67
ACC NR: AP6033561

cross-section of hole capture at the radiation defect level E_c—0.40 ev is determined. Orig. art. has: 7 formulas and 5 figures. [Authors' abstract]

SUB CODE: 20/ SUBM DATE: 28Mar66/ ORIG REF: 004/ OTH REF: 002/

Gynecology
Mechanism of development of pseudopegnancy. Akush. i gin. no. 5, 1952.

MONTHLY LIST OF RUSSIAN ACCESSIONS, LIBRARY OF CONGRESS, DECEMBER 1952. UNCLASSIVED

Brucellosis and the female generative organs. Dokl. AN Un. SSR no.9:71-73 '57.

1.Tashkentskiy gosudarstvennyy meditsinskiy institut. Predstavleno akademikom AN UESSR S.Yu. Yunusovym.

(BRUCELLOSIS) (GENERATIVE ORGANS, FEMALE)

UMAROVA, Kh.S.

Hormone profile during the minstrual cycle in female brucellosis patients. Inv.AN Uz.SSR.Ser.med. no.5:42-46 (MIRA 15:3)

1. Tashkentskiy gosudarstvennyy meditsinskiy institut.
(BRUCELLOSIS) (MENSTRUATION) (HORMONES)

UMAROVA, Kh. S., Cand Med Sci -- (diss) "Effect of various clinical forms of brucellosis on the condition of the genitalia of woren ." Tashkent, 1960. 14 pp; (Ministry of Public Health Uzbek SSK, Tashkent State Medical Inst); 300 copies; price not given; (KL, 25-60, 140)

UMAROVA, M.K.

Case of the development of hypothyreosis in a patient with hyperthyreosis. Med. zhur. Uzb. no.6:70 Je '60. (MLA 15:2)

1. Iz endokrinologicheskogo otdeleniya Tashkentskogo gorodskoy bol'nitsy No.10 (glavnyy vrach - S.S.Salikhov).
(HYPERTHYROIDISM)

STOLBOVA, A.; UMAROVA, M.U.; UVAROVA, A.I.; VISHNEVETSKAYA, Ve.A. TETENKO, N.I., meditsinskaya sestra.

Nurses councils. Med. sestra 22 no.6:42-45 Je 63. (MIRA 16:9)

l. Predsedatel' Soveta meditsinskikh sester Vladimirskoy oblastnoy bol'nitsy. Detskaya bol'nitsa No.3 Tashkentskoy zheleznoy dorogi (for Umarova). 2. Glavnyy vrach Detskogo kostnotuberkuleznogo sanatoriya No.2, Dnepropetrovsk (for Uvarova). 3. Detskoye otdeleniye Krasnodarskoy krayevoy klinicheskoy bol'nitsy imeni prof. S.V.Ochapovskogo (for Tetenko). (NURSES AND NURSING)

YUNUSOVA, Kh.A.; LOGINOVA, N.S.; UMAROVA, R.F.; KATSNEL SON, R.A.

Candidomycosis of the oral cavity and diphtheria. Izv.AN Uz.SSR.Ser.med. no.5:13-19 '58. (MIRA 12:5)

1. Tashkentskiy gosudarstvennyy meditsinskiy institut, Klinika detskikh bolezney i kafedra mikrobiologii.

(MONILIASIS) (DIPHTHERIA--RACTERIOLOGY)

KATSNEL'SON, R.A.; UMAROVA, R.F.; IGAMBERDYYEVA, D.I.

Serological diagnosis of diphtheria. Med.shur.Usb. no.1:38-43 Ja '59.

L. Iz kafedry mikrohiologia (constant) (MIRA 13:2)

l. Iz kafedry mikrobiologii (saveduyushchiy - prof. P.F. Samsonov) i kliniki detskikh infektsionnykh bolezney (saveduyushchiy - prof. Kh.A. Yunusova) Tashkentskogo gosudarstvennogo meditsinskogo instituta.

(DIPHTHERIA)

LOGINOVA, N.S.; UMAROVA, R.F.; KATSNEL'SON, R.A.

Materials on the etiopathogenesis of toxic diptheria. Med. zhur. Uzb. no.3:44-47 Mr 161. (MIRA 14:5)

l. Iz kafedra mikrobiologii (zav. - prof. P.F.Samsonov) i kliniki detskikh infektsiy (zav. - prof. Kh.A.Yunusova) Tashkentskogo gosudarstvennogo meditsinskogo instituta.

(DIPHTHERIA)

KUDINOVA, V.S.; SUVOROV, B.V.; UMAROVA, R.U.

(midation of organic compounds. Report No.34: Catalytic vapur phase oxidation of n-propylbensene, n-butylbensene, and some of their derivatives. Trudy Inst.khim.nauk AM Kazakh.SSR 8:157-162 62.

(MIRA 15:12)

(Benzene) (Oxidation)

MUSAYEV, K.Yu.; UMAROVA, Sh.

Effect of watering on the development and distribution of algae in cotton fields. Uzb. biol. zhur. 6 no.3:30-34 162. (MIRA 15:6)

1. Tashkontskiy gosudarstvennyy universitet imeni V.I. Lenina. (UZHEKISTAN—ALGAE) (UZHEKISTAN—COTTON—IRRIGATION)

ACC NR. AR6033654 (N) SOURCE CODE: UR/0417/66/000/009/0025/0025

AUTHOR: Umarova, Sh, S.; Zakirov, U. B.; Kamilov, I. K.

ORG: none

TITLE: Comparative evaluation of the effects of quaternary galantamine derivatives

SOURCE: Ref. zh. Farmakologiya, khimioterapevticheskiye sredstva, toksikologiya, Abs. 9.54.155
REF SOURCE: Sb. Farmakol. alkaloidov. Vyp. 2. Tashkent, Nauka, 1965, 258-263

TOPIC TAGS: pharmacolopy, galantamine, alkaloid, drug effect, quaternary amine

ABSTRACT: The pharmacological effects of galantamine hydroxymethylate, hydroxyethylate, hydroxystopropylate, hydroxybutylate, and hydroxyamy-late were studied. In rabbits doses from 0.1—3 mg/kg produced constriction of the pupils, muscular fibrillation and lacrimation. Five to ten mg/kg doses caused peristaltic movements of the intestine, urination, and defecation. Eleven mg/kg doses produced death from respiratory failure. Corresponding tertiary compounds required higher doses to produce the same effects. Galantamine derivatives produced more peripheral neuro-muscular activity than galantamine hydrobromide (ater-

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UDC: 615.785.4

iary compound). The most effective compound was galantamine hydroxy- ethylate which, when administered in 0.05 mg/kg dosos, increased the											
mplitude	of mus	cle c	ontract	ion by	46%.			•	[W.A.	50]	
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UMARQVA, S.I., vrach; RAYSKIY, N.S., vrach; TARTAKOVSKAYA, I., red.;

SOKOLOVA, A., tekhn. red.

[Longevity] Dolgoletie. Tashkent, Gos.izd-vo "Sredniaia i vysshaia shkola," UzSSR, 1961. 84 p. (MIRA 14:11)

UMAROVA, Sh.S.; KAMILOV, I.K.; POLIYEVTSEV, N.P.

Galenthamine hydroxymetylate and its cholinergic properties.

Farm.alk. no.1:174-180'62.

(GALANTHAMINE) (PARASYMPATHOMIMETIC AGENTS)

(GALANTHAMINE)

UMAROVA, Sh.S.; KAMILOV, I.K., POLIYEVTSEV, N.P.

Effect of galanthamine hydroxymethylete and the

Effect of galanthamine hydroxymethylate on the action of arecoline and atropine. Farm.alk. 181-183'62. (MIRA 16:9) (GALANTHAMINE) (ARECOLINE) (ATROPINE)

UMAROVA, Sh.S.; KAMILOV, I.K.; POLIYEVISEV, N.P.

Comparative action of galanthemine hydrobromide and hydroxymethylate on neuromuscular conduction. Farm.alk. no.1: 184-189 62. (MIKA 16.9) (GALANTHAMINE—PHYSIOLOGICAL EFFECT) (NEUROCHEMISTRY)

UMAROVA, S.U., kand.med.nauk

Long-term observations in late toxicoses of pregnancy. Zdrav.
Tadzh. 8 no. 2:16-18 '61.

(MIRA 14:4)

1. Iz kafedry akusherstva i ginekologii (zav. - doktor med.nauk S.Kh. Khakimova) Stalinabadskogo medinstituta imeni Abuali ibni

(PREGNANCY, COMPLICATIONS OF)

UMAROVA, S.U., dotsent

Frequency of occurrence and seasonal distribution of late pregnancy toxemia in a dry subtropical climate. Zdrav. Tadzh. 9 no.1:30-32 Ja-F *62. (MIRA 15*4)

UMAROVA, T.; KAL CHENKO, A.; KUMIN, Ye.

News from schools. Prof.-tekh.obr. 19 no.3:32 Mr 162.

1. Direktor Khodzhentskogo kovrovo-tkatskogo professional no-tekhnicheskogo uchilishcha No.21 imeni Titova, Tadzhikskaya Sili

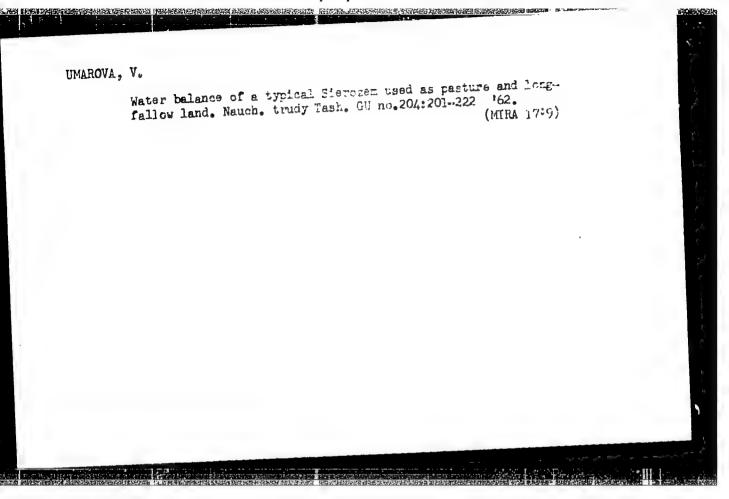
(Vocational education)

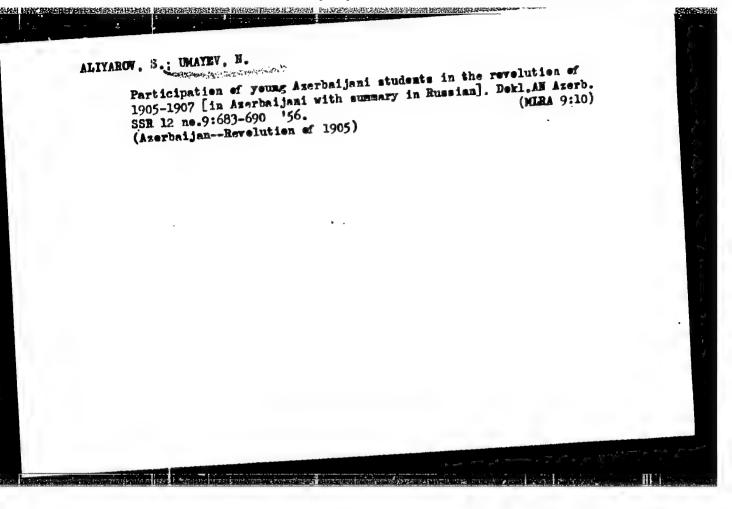
UMAROVA, T.U., aspirant

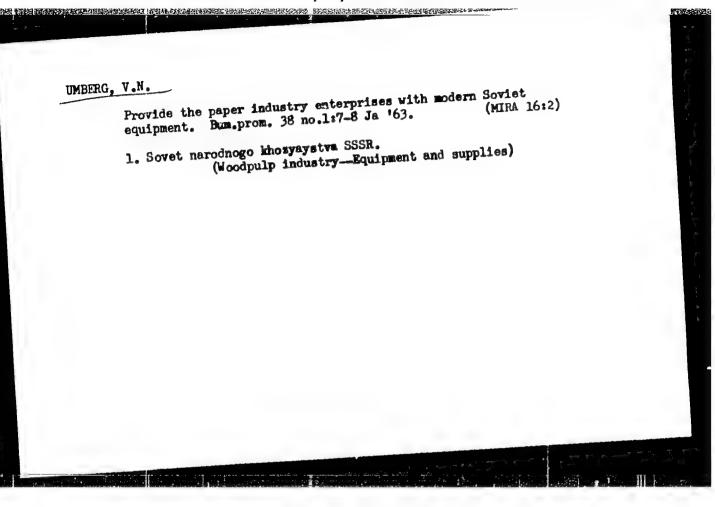
Sanitary and hygienic characteristics of school workshops
in Tashkent. Med. zhur. Uzb. no.7:22-27 J1 '63.
(MIRA 17:2)

1. Iz kliniki glaznykh bolezney (zav. - doteent T.Ya.

Kasymov) Tashkentakogo meditainakogo inatituta.





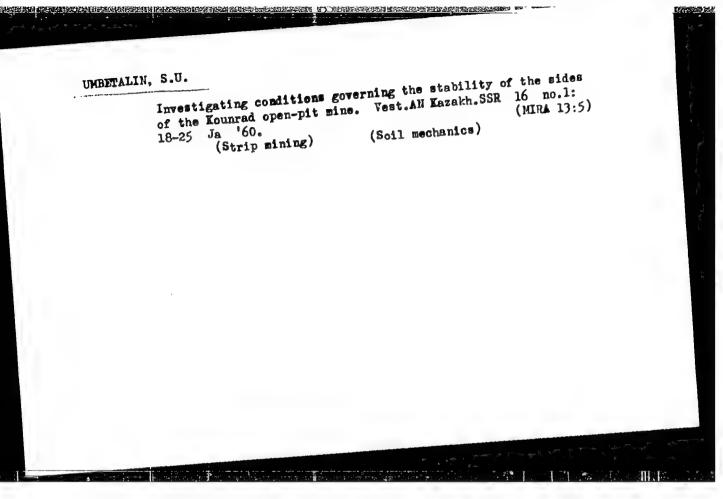


UMBETALIN, S. U.

Umbetalin, S. U. -- "Investigations of the Conditions of Stability of the Rims of the Kounradskiy Open Pit Mine (With Consideration of the Mechanics of the Massif)." Acad Sci Kazakh SSR, Inst of Mining Affairs, Machanics of the Massif). Acad Sci Kazakh SSR, Inst of Mining Affairs, Alma-Ata, 1955 (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis', No. 23, Moscow, Jun 55, pp 87-104

CIA-RDP86-00513R001858010001-7" APPROVED FOR RELEASE: 04/03/2001



Bicillin treatment for patients with syphilis. Zdrav. Kasakh. 21 (MIMA 15:2) no.10:33-36 '61. 1. Iz otdela sifilidologii (zav.-kand.med.nauk M.M.Vishnyak) Kazakhskogo kosmo-venerologicheskogo instituta. (SYPHILIS) (PENICILLIN)

VISHNYAK, M. M., kand. med. nauk; UMBET'YAROVA, G. G., mlad. nauchn. sotrud.; RAKHIMOVA, G. K., mlad. nauchn. sotrud.; GUTERMAKIER, TS. M., mlad. nauchn. sotrud.; BASARGIN, P. S., mlad. nauchn. sotrud.; SHEFFER, A. R., mlad. nauchn. sotrud.

Results of bicillin therapy of syphilis in Alma-Ata. Vest. derm. i ven. 36 no.6:57 Je '62. (MIRA 15:6)

1. Iz Kazakhskogo nauchno-issledovatel skogo kozhno-venerologi-cheskogo instituta (dir. - kandidat meditsinskikh nauk M. O. Cmarov)

(BICILLIN) (AIMA-ATA._SYPHILIS)

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SOURCE: Ref. zh. Matematika, Abs. 12B216	
AUTHOR: Unbetzhanov. D. U.	
TITLE: Application of the method of asymptotic approximation to the periodic oscillations of non-linear systems	quast -
periodic discritations (and)	1. spets.
CITED SQUECE: Sb. tr. soiskateley i aspirantov. H-vo vyssh. i sredi	
Der Arregovenive Rezode, val, 1996, 50 complete and the c	6 . T 1 17 17 1
TOPIC TAGS: control theory, nonlinear system, differential equation periodic oscillation, asymptotic approximation, Fourier polynomial	ā, duast
TRANSLATION: The author has investigated the equation	(1)
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fire must parameter, f - a quasiperiodic function of t with	h frequencies
where \mathcal{E} is a small parameter, f -a quasiperiodic function of the f and V_2 , being represented by a finite Fourier polynomial, with f and f and f are polynomials in f and f are their turn, are polynomials in f and f are their turn, are polynomials in f and f are their turn, are polynomials in f and f are their turn, are polynomials in f and f are the first polynomials.	for the con-
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struction of a quest-periodic s	olution of equation (1), one can apply the method
of asymptotic determination of equation in partial derivatives	Krylov and Bogolyubov. For this purpose, the
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is investigated, where V is a d	r two of feeling of the Spilling Committee Market Market 1 to 150 or 150
For E=0 quation (2) has a go	$\nabla x(u,v) = \int_{u} + \frac{1}{2u} dv dv $ (4)
	$z = a \cos(\alpha_1 a + \omega_2 o + \varphi), \tag{5}$
able functions of the difference	γ), $\varphi = \varphi(u-v)$ are arbitrary twice differentiate u-v. It is assumed that resonance exists,
i.e. that there do not exist i	integers n ₁ , n ₂ , m for which
Then it is proposed to find a s	solution of the equation (2) in the form of the
	(3)
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are written down and a method of finding	114 112. Keersen	is indicated	đ.
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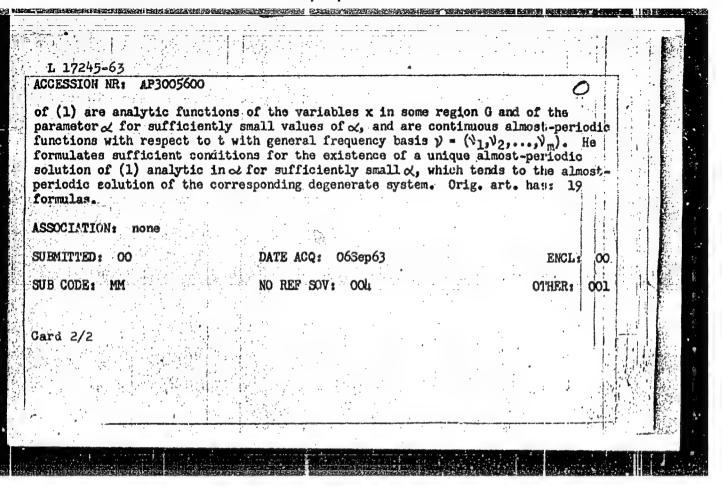
L 39425-65 ENT(d) Pg-4 IJF(c) 8/0044/64/000/012/B040/B040 ACCESSION NR: AR5006735 SOURCE: Ref. zh. Matematika, Abs. 12B237 AUTHOR: Umbotzhanov. D. U. ALCOHOLD TO THE PARTY OF THE PA TITLE: Quasi-periodic oncillations of non-linear autonomous systems CITED SOURCE: Sb. tr. soiskately i aspirantov. M-vo vyssh. i sredn. spets. obrazovaniya KazSSR, v. 1, no. 1, 1963, 141-149 TOPIC TAGS: differential equation, linear differential equation, autonomous system. control theory, periodicity, quasiperiodic oscillation $\frac{dx_s}{dt} = f_t(x_1, \ldots, x_n, \alpha), s = 1, \ldots, n,$ (1) TRANSLATION: The differential equations are investigated, where f_{i} are analytic functions of the variables x_{1}, \dots, x_{n} and a small parameter α , not necessively dependent on t. It is assumed that, for $\alpha = 0$, the equation (1) has a quasi-periodic solution (generator) $x_{\epsilon}^{0} = \psi_{\epsilon}(l, ..., l)$ $\epsilon = 1, ..., n, c$ with frequency basis β_1, \ldots, β_n . The question of the existence of a quasi-periodic solution of equation (1) for $\alpha \neq 0$ is raised. A method is used, the idea of which was Card 1/2

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reported in an article by V. Kh. Kharasakhal (RZh Mat, 1962, 1B 166). He conclude that, together with (1), a system of differential equations of partial derivatives is to	be
that, together with (1), a system of differential equations of the day	a
investigated $\frac{1}{du} + \dots + \frac{1}{du} = f_1(x_1, \dots, x_n, \alpha)$.	
The solution of the latter equation $x_s(u_1, \dots u_m, x_n)$, $s = 1, \dots, u_n$ is periodic in the solution of the latter equation $x_s(u_1, \dots u_m, x_n)$.	e
The solution of the latter equation x_{n} (u ₁ , u _m), T_{n} respectively and represents for u ₁ variables T_{n} with periods T_{n} respectively.	=
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of analogous, known conditions of performant form and analyzed their Poincare. The author writes out these conditions in general form and analyzed their Poincare. If the autonomous system (1)	3.
Poincare. The author writes out these conditions in general reasonable system (1) which allows him to prove, in particular, the theorem: If the autonomous system (1) which allows him to prove, in particular, then it possesses an entire family of s	
which allows him to prove, in particular, the theorem: It the uter the tree family of s possesses even one quasi-periodic solution, then it possesses an entire family of s	uca
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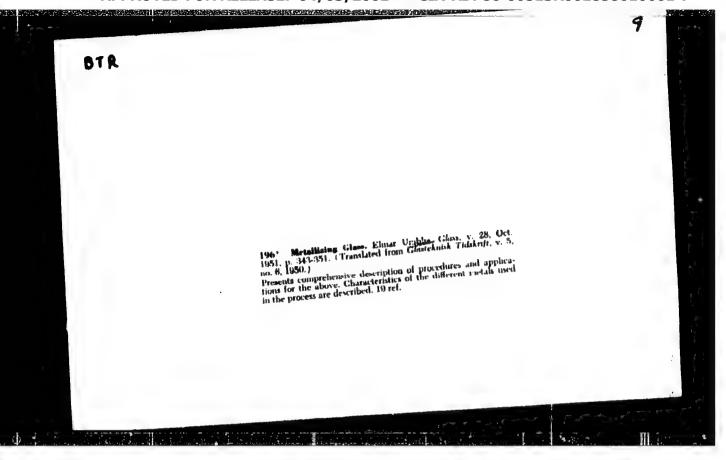
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